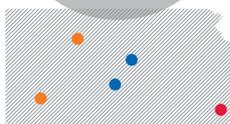


KU WORKS

for KANSAS / Vol. 4

WHAT'S
GOING ON
IN YOUR
AREA



STATEWIDE

KU to offer new renewable scholarships to more incoming students

HUTCHINSON & SALINA

KU scientists search for health benefits in native Kansas plants

PITTSBURG

KU School of Pharmacy student prepares for career as a rural pharmacist

GARDEN CITY & HAYS

KU researchers gauge lifespan of western Kansas aquifer

KU
THE UNIVERSITY OF
KANSAS



STATEWIDE

Opening the Door to College

KU to offer new renewable scholarships to more incoming students

SCHOLARSHIPS MAKE A COLLEGE EDUCATION AFFORDABLE FOR students and their families, and KU is now offering multi-year renewable scholarships to more incoming students.

Students choosing KU will now be eligible for new, four-year renewable scholarships for freshmen and two-year scholarships for transfer students, based on academic performance.

Starting with the fall 2012 incoming class, prospective students can visit affordability.ku.edu and know what scholarships they qualify for even before they apply. They'll get confirmation of their awards within two weeks of being admitted to KU.

In addition, KU will provide extra assistance to new Kansas freshmen who receive Pell Grants and meet academic requirements through an initiative called KU Pell Advantage.

These renewable scholarships align with KU's Four-year Tuition Compact, which gives freshmen fixed tuition for four years. The deadline to be considered for scholarships is Nov. 1.

"These new four-year scholarships, when combined with the Four-year Tuition Compact, offer financial predictability and motivation to graduate in four years," said Sue Coffman, a guidance counselor at Andover High School. "This will enable more talented students to attend KU." ■



**YOU'VE GOT
THE GRADES.
KU HAS THE
SCHOLARSHIPS.**



KANSAS FRESHMAN RENEWABLE SCHOLARSHIPS

- Chancellor Scholarship: \$20,000 (\$5,000/year)
- Traditions Scholarship: \$16,000 (\$4,000/year)
- Crimson & Blue Scholarship: \$8,000 (\$2,000/year)
- Rock Chalk Scholarship: \$4,000 (\$1,000/year)
- Jayhawk Scholarship: \$4,000 (\$1,000/year)
- KU Pell Advantage: Combination of grants and scholarships

Students must apply by Nov. 1 to be eligible for scholarships.

Students will get confirmation of their awards within two weeks of being admitted.

MORE INFORMATION

AFFORDABILITY.KU.EDU

**NEW,
FOUR-YEAR
SCHOLARSHIPS!**

SEE PAGE 3



NATIVE MEDICINAL PLANT RESEARCH PROGRAM

- The Native Medicinal Plant Research Program operates two medicinal plant gardens in Lawrence — one north of downtown, and one at the KU School of Pharmacy.
- Plants have been harvested for research from various sites in Kansas, including Sand Hills State Park near Hutchinson and Kanopolis State Park outside Salina.
- The project is funded primarily by a five-year, \$5 million grant from Heartland Plant Innovations Inc., a Kansas company that received startup support from the Kansas Bioscience Authority.

HUTCHINSON & SALINA

Natural Cures

KU scientists search for health benefits in native Kansas plants



Kansas Biological Survey researcher Quinn Long harvests a sample of Ipomea leptophylla — also known as Bush Morning Glory — near Hutchinson. Scientists with KU's Native Medicinal Plant Research Program harvest plants like these and test them for compounds that might have medicinal value.

RESEARCHERS LOOKING FOR THE NEXT plant-based medicine or nutritional supplement just might find it in the plains of Kansas.

That's the idea behind KU's Native Medicinal Plant Research Program, which focuses on native Kansas and Great Plains plants that may have medicinal value. The program enlists researchers from KU's Department of Medicinal Chemistry and the Kansas Biological Survey, who harvest a variety of plants and test their chemical makeup for compounds that have wound-healing, anti-inflammatory, antioxidant and even anti-cancer powers.

Researchers have collected more than 200 plant species since the program began and are building an extensive Prairie Ethnobotany Database cataloging plant information.

"Kansas biodiversity has great value," says Kelly Kindscher, senior scientist at the Kansas Biological Survey. "Native prairies not only hold aesthetic appeal and environmental importance, but they also offer economic value in the potential for medicines and herbal products that could benefit individuals and the state." ■

MORE INFORMATION ■ NATIVEPLANTS.KU.EDU



KANSAS PHARMACISTS

- About 63 percent of the KU School of Pharmacy's 4,000 current alumni live and work in Kansas.
- At least one KU pharmacy alumnus practices in 95 of the state's 105 counties.
- Of the school's 102 Pharm.D. 2010 graduates, 81 graduated from Kansas high schools.

MORE INFORMATION
■
PHARMACY.KU.EDU

PITTSBURG

Hometown Care

KU School of Pharmacy student prepares for career as a rural pharmacist

IT'S NO SECRET THAT KANSAS COMMUNITIES FACE A shortage of health care practitioners.

But third-year KU pharmacy student Jeremiah Hawley doesn't need to be convinced to practice outside a large city. A resident of Baxter Springs, Hawley in August completed a two-week rotation at Via Christi Hospital in Pittsburg — a location he selected specifically to prepare him for life as a small-town pharmacist after graduation.

"I love small towns," he said. "I understand why many of my classmates want to go to urban areas, but I'm looking forward to practicing in southeast Kansas."

KU officials believe Hawley isn't alone in his preference for smaller communities and encourage students to consider practicing in them. Most notably, in August the new KU School of Pharmacy-Wichita campus opened, specifically to educate students who will go on to smaller communities.

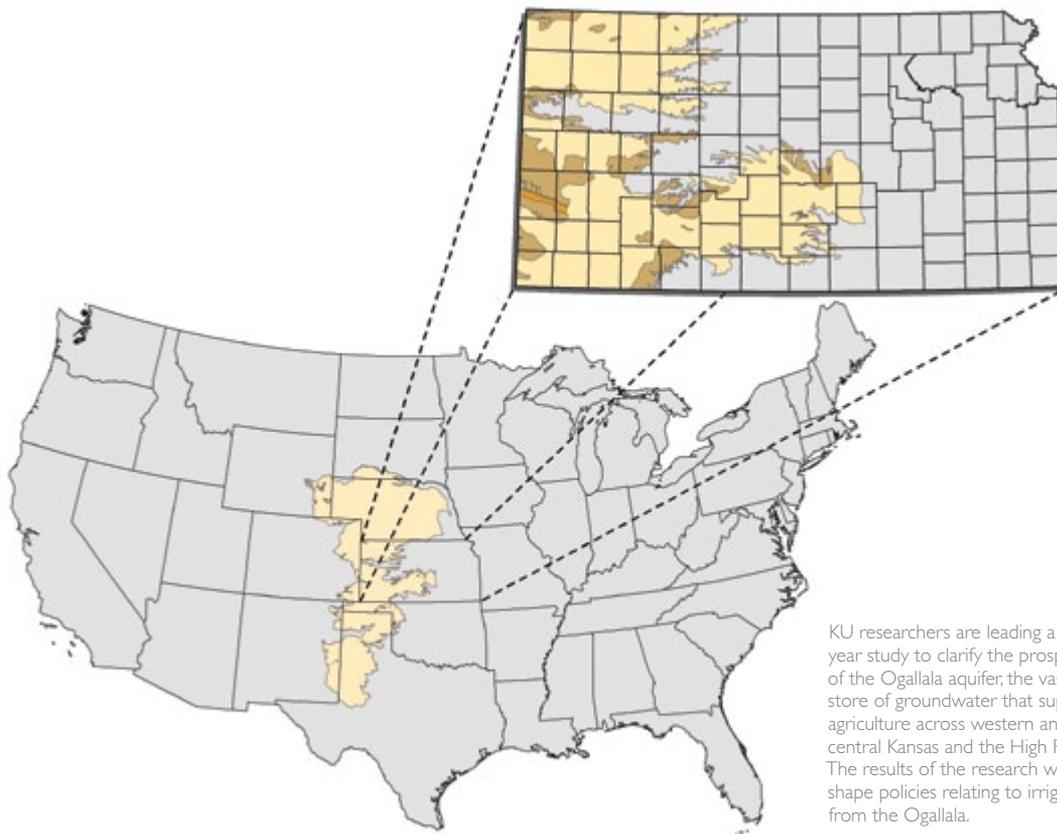
"It's all about serving the entire state," said School of Pharmacy Dean Ken Audus. "As long as there's a shortage of rural pharmacists in Kansas, we'll continue to address that shortage. Students like Jeremiah will be the key." ■



Pharmacy student Jeremiah Hawley recently completed a two-week rotation at Via Christi Hospital in Pittsburg, a location he selected specifically to prepare him for life as a small-town pharmacist after graduation.

Preserving the Future

KU researchers gauge lifespan of western Kansas aquifer



KU researchers are leading a four-year study to clarify the prospects of the Ogallala aquifer, the vast store of groundwater that supports agriculture across western and central Kansas and the High Plains. The results of the research will help shape policies relating to irrigation from the Ogallala.

IN THE FIELDS OF WESTERN KANSAS, THE KEY to the region's economic future lies underground in the dwindling Ogallala aquifer, the vast store of groundwater that supports agriculture across the High Plains.

That's why researchers from the Kansas Geological Survey at KU are leading a four-year study to clarify the future prospects of the Ogallala.

"At one time, people thought this resource was infinite because there was so much water," said senior scientist Marios Sophocleous. "But we now know that the quantity of water pumped out of the aquifer is many times greater than the recharge, mainly from

precipitation, that replenishes it. If we keep expanding irrigation, eventually the aquifer is going to dry out."

In western Kansas, some areas already have depleted their groundwater. But with more prudent usage of the Ogallala, Sophocleous predicted that irrigated farming could have a lengthy future. The results of the research under way will be shared with policymakers and stakeholders to help shape policies and practices relating to irrigation from the Ogallala.

"There is no way to maintain this level of water use indefinitely," Sophocleous said. "But with wise management of the resource, we can extend it for many more generations than if we don't do anything." ■



KANSAS GEOLOGICAL SURVEY



THE KANSAS GEOLOGICAL SURVEY AT KU CONDUCTS GEOLOGICAL STUDIES THROUGHOUT KANSAS with an emphasis on natural resources of economic value, water quality and quantity, and geologic hazards.

KGS PUBLISHES INFORMATION ON KANSAS GEOLOGICAL TOPICS such as engineering geology, geochemistry, geohydrology, geophysics, geoarchaeology, mineral economics, and stratigraphy.

THE CURRENT OGALLALA STUDY is funded with a four-year, \$250,000 grant from the National Science Foundation.

MORE INFORMATION

KGS.KU.EDU

Future KU freshmen:

**FIXED-RATE TUITION FOR 4 YEARS.
RENEWABLE SCHOLARSHIPS FOR 4 YEARS.**

Submit a **complete admission application**
by **Nov. 1** to be considered for scholarships

admissions.ku.edu

KU

A GREAT PLACE FOR YOU

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